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APPLICATION NO.	N NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,886	08/26/2003		Dipen N. Sinha	S-100,658	7829
35068	7590	11/10/2004	EXAMINER*		
UNIVERSI	TY OF C	CALIFORNIA	WILSON, KATINA M		
LOS ALAM	OS NATIO	ONAL LABORATO	RY		
P.O. BOX 10	663, MS A	.187	ART UNIT	PAPER NUMBER	
LOS ALAM	OS NM	87545	2856		

DATE MAILED: 11/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		A	oplication No.	Applicant(s)					
Office Action Summary			0/649,886	DIPEN SINHA					
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	,			Art Unit					
The MAILING DATE of this communication appe			atina M Wilson s on the cover sheet with	2856					
Period fo		ioation appear	o on the dover once, wha	and dorrespondence address					
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUNI nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn period for reply specified above is less than thirty (3 period for reply is specified above, the maximum street to reply within the set or extended period for reply eply received by the Office later than three months a d patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a) nunication. 0) days, a reply with atutory period will ap will, by statute, caus	. In no event, however, may a re- in the statutory minimum of thirty oply and will expire SIX (6) MONT se the application to become ABA	ly be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).					
1)🛛	Responsive to communication(s) file	ed on <u>26 Augu</u>	<u>st 2003</u> .						
2a) <u></u> □	This action is FINAL .	b)⊠ This acti	on is non-final.						
3) 🗌	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
5)	4) ☐ Claim(s) 1-19 and 29-32 is/are pending in the application. 4a) Of the above claim(s) 21-28 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-19 29-32 are subject to restriction and/or election requirement.								
Applicati	ion Papers								
9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 26 August 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. §§ 119 and 120									
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.									
Attachmen	• •		. □	mmon/ (DTO 442) Barran Na/a)					
2) Notic	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (F mation Disclosure Statement(s) (PTO-1449) F			mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-152) iction.					

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Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-16 are drawn to measuring the frequency difference between two consecutive maxima of flowing fluid, classified in class 73, subclass 657.
- II. Claims 17-20 are drawn to determining the composition of the fluid after recording the frequency difference between two consecutive maxima, classified in class 73, subclass 64.53.
- III. Claims 29-31 are drawn to correcting the phase difference, classified in class 73, subclass 579.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because all of the limitations of group II are not in the evidence claims of group I. The subcombination has separate utility such as determining the composition of the gas or a solid mixture.

Inventions I and III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant

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case, the combination as claimed does not require the particulars of the subcombination as claimed because all of the limitations of group IV are not in the evidence claims of I. The subcombination has separate utility such as correcting the phase difference relative to a gas flow rate.

Inventions II and III are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because all of the limitations of group IV are not in the evidence claims of group II. The subcombination has separate utility such as correcting the phase difference relative to a gas flow rate.

Conclusion

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Closing



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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Katina M Wilson whose telephone number is 571-272-2209. The examiner can normally be reached on Mondays-Thursdays 8:00am-4:00pm, off on Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E Williams can be reached on 571-272-2208. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-3432 for regular communications and 703-308-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

KW November 2, 2004

HEZRON WILLIAMS

TECHNOLOGY CENTER 2800